

CLAIMS:

1. A camera module comprising a holder provided with a light-conducting channel, within which channel a lens having an optical axis is present, a solid-state image sensor being present near an end of said light-conducting channel, which image sensor comprises an image section oriented perpendicularly to the optical axis, characterized in that
5 aligning means forming part of the holder are present near the end of the light-conducting channel, which aligning means align the image section with respect to the optical axis.
2. A camera module as claimed in claim 1, characterized in that the image section extends in a plane parallel to a main surface of the solid-state image sensor, in which
10 the solid-state image sensor comprises lateral surfaces oriented at least substantially perpendicularly to the main surface, and in which the light-conducting channel comprises an inner wall which is at least substantially polygonal near the end, seen in sectional view in a direction perpendicular to the optical axis, in which the aligning means comprise bulges present near the corners of the polygon, which bulges adjoin the inner wall and which abut
15 against the lateral surfaces of the solid-state image sensor, as a result of which the solid-state image sensor is contained within the holder substantially without play in a direction perpendicular to the optical axis.
3. A camera module as claimed in claim 2, characterized in that said polygon is a
20 rectangle.
4. A camera module according to claim 2 or 3, characterized in that said bulges are provided with an L-shaped recess, seen in cross-sectional view in a direction perpendicular to the optical axis, with one side of the bulge adjoining the inner wall at all
25 times, whilst another side abuts substantially without play against two mutually adjacent lateral surfaces of the solid-state image sensor.

5. A camera module as claimed in claim 2, 3 or 4, characterized in that the end of the light-conducting channel forms a bonding area extending perpendicularly to the optical axis.

6. A camera module as claimed in claim 2, 3, 4 or 5, characterized in that said bulges partially extend outside the light-conducting channel, each bulge having a second end, which ends jointly form a supporting surface which is oriented perpendicularly to the optical axis.

7. A camera module as claimed in claim 5 or 6, characterized in that the camera module comprises a substrate, in which the solid-state image sensor comprises a second main surface bonded to the substrate, in which the substrate is bonded to the bonding area by means of an adhesive material.

8. A camera module as claimed in claim 7, characterized in that the substrate abuts against the supporting surface, which achieves that the image section is fixed in an orientation parallel to the optical axis.

9. A holder for use in a camera module, which holder is provided with a light-conducting channel, which is arranged for accommodating a lens having an optical axis and which is furthermore arranged for placing a solid-state image sensor comprising an image section near an end of the light-conducting channel, characterized in that aligning means forming part of the holder are present near said end of the light-conducting channel for aligning the image section with respect to the optical axis.

10. A holder as claimed in claim 9, characterized in that the holder comprises an outer wall which is at least substantially polygonal, seen in sectional view in a direction perpendicular to the optical axis, in which recesses are present in the outer wall near the corners, which recesses extend in a direction parallel to the optical axis.

11. A camera system comprising a camera module with a holder provided with a light-conducting channel in which a lens having an optical axis is present, in which a solid-state image sensor provided with an image section oriented perpendicularly to the optical axis is present near an end of the light-conducting channel, and in which aligning means forming

part of the holder are present near said end of the light-conducting channel for aligning the image section with respect to the optical axis.

12. A method of manufacturing a camera module comprising a holder,
5 characterized in that the holder is provided with aligning means, in which the solid-state image sensor comes into contact with the aligning means upon placement of the solid-state image sensor in said holder, as a result of which an image section present on the solid-state image sensor is aligned with respect to an optical axis.